

EXAMINER'S AMENDMENT

An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with John David Reilly on June 16, 2009.

In the claims:

Claim 61 (Amended): The method of claim ~~40~~ 60, wherein the Class IIx mannosidase enzyme has a substrate specificity for Man α 1,3 (Man α 1,6 Man α 1,6) Man β 1,4-GlcNAc β 1,4-GlcNAc-Asn; Man α 1,3 (Man α 1,3 Man α 1,6) Man β 1,4-GlcNAc β 1,4-GlcNAc-Asn; or Man α 1,2 Man α 1,3 (Man α 1,3 Man α 1,6 Man α 1,6) Man β 1,4-GlcNAc β 1,4-GlcNAc-Asn.

Claim 62 (Amended): The method of claim ~~4 or 2~~ 59, wherein the chimeric mannosidase enzyme comprises a Class III mannosidase catalytic domain fused to a cellular targeting signal peptide that targets the chimeric mannosidase to the secretory pathway of the host cell.

Claim 63 (Amended) : The method of claim ~~42~~ 62, wherein the Class III mannosidase enzyme has a substrate specificity for Man α 1,3 (Man α 1,6 Man α 1,6) Man β 1,4-GlcNAc β 1,4-GlcNAc-Asn; Man α 1,3 (Man α 1,3 Man α 1,6) Man β 1,4-GlcNAc β 1,4-GlcNAc-Asn; or Man α 1,3 (Man α 1,3 Man α 1,6 Man α 1,6) Man β 1,4-GlcNAc β 1,4-GlcNAc-Asn; or high mannans.[[.]]

Claim 64 (Amended) : The method of claim ~~4 or 2~~ 59, wherein the yeast host cell is selected from the group consisting of *Pichia pastoris*, *Pichia finlandica*, *Pichia trehalophila*, *Pichia koclamae*, *Pichia membranaefaciens*, *Pichia opuntiae*, *Pichia thermotolerans*, *Pichia salictaria*, *Pichia guercuum*, *Pichia pijperi*, *Pichia stiptis*, *Pichia methanolica*, *Pichia sp.*, *Saccharomyces cerevisiae*, *Saccharomyces sp.*, *Hansenula polymorpha*, *Kluyveromyces sp.*, *Kluyveromyces lactis*, and *Candida albicans*.[[.]]

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Any inquiry concerning this communication or earlier communications from the examiner should be directed to MICHELE K. JOIKE whose telephone number is (571)272-5915. The examiner can normally be reached on M-F, 10:00-6:30.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Christopher Low can be reached on (571)272-0951. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/NANCY VOGEL/
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